

ABSTRACT OF THE DISCLOSURE

An ink-jet recording apparatus for ejecting ink droplets having two sizes, a large size and a small size. The ink-jet recording apparatus records data with a pattern assigned to quantized data. This arrangement reduces density non-uniformity and streaks depending on the landing accuracy of ink droplets, the accuracy of sheet conveyance in the recording apparatus, and the accuracy of carriage scanning are reduced. Recording is performed with large and small dot-matrix patterns assigned to quantized data on independent planes. When the large dot and the small dot in a pattern are provided to one pixel at the same time, the large dot and the small dot are placed in positions not overlapping in the one pixel.